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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09:575,349	05 19/2000	Michael J. D'Elia	AMDA.474PA	1541
75	90 01 16 2002			
Crawford PLLC 1270 Northland Drive Suite 390			EXAMINER	
			PERALTA, GINETTE	
St Paul, MN 55120			ART UNIT	PAPER NUMBER
			2814	
			DATE MAILED: 01/16/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

		12				
	Application No.	Applicant(s)				
	09/575,349	D'ELIA ET AL.				
, Office Action Summary	Examiner	Art Unit				
	Ginette Peralta	2814				
The MAILING DATE of this communication a	ppears on the cover sheet w	th the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communion. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perio - Failure to reply within the set or extended period for reply will, by state - Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b). Status	I. 1.136(a). In no event, however, may a reply within the statutory minimum of thired will apply and will expire SIX (6) MONute. cause the application to become A	eply be timely filed by (30) days will be considered timely. ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on 19	9 October 2001 .					
2a) ☐ This action is FINAL . 2b) ☐ -	This action is FINAL. 2b)⊠ This action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-30</u> is/are pending in the applicati	on.					
4a) Of the above claim(s) <u>1-17</u> is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>18-30</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and	l/or election requirement.					
Application Papers						
9)☐ The specification is objected to by the Exami	ner.					
10) The drawing(s) filed on is/are: a) acc	cepted or b) objected to by t	he Examiner.				
Applicant may not request that any objection to						
11)☐ The proposed drawing correction filed on		lisapproved by the Examiner.				
If approved, corrected drawings are required in						
12) ☐ The oath or declaration is objected to by the £	Examiner.					
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for forei	ign priority under 35 U.S.C.	§ 119(a)-(d) or (f).				
a) ☐ All b) ☐ Some * c) ☐ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority docume						
3. Copies of the certified copies of the pr application from the International E * See the attached detailed Office action for a li	Bureau (PCT Rule 17.2(a)).					
14) Acknowledgment is made of a claim for dome.	•					
a) The translation of the foreign language p	provisional application has b	een received.				
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of	Summary (PTO-413) Paper No(s) Informal Patent Application (PTO-152)				
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DETAILED ACTION

Election/Restrictions

- 1. Claims 1-17 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in Paper No. 6.
- 2. Applicant's election with traverse of claims 19-20 in Paper No. 6 is acknowledged. The traversal is on the ground(s) that claim 18 is a linking claim to "means" for practicing the process. This is not found persuasive because the claims are directed to two separate inventions, a method of depositing a coating, and an apparatus used in a deposition process. In accordance with the MPEP, claim 18 is a claim to "means" of using the apparatus in a process, and has been determined to be a linking claim, thus the linking claim will be examined with the elected invention. The remainder of the claims are withdrawn from further consideration pending the examination of the elected claims.

The requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 18-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jeng et al. (U. S. Pat. 5,710,073) in view of Bartholomew et al. (U. S. Pat. 6,143,080).

Jeng et al. teaches a method for forming a coating on a surface that comprises supplying a gas to a chamber, and using the supplied gas in combination with selected reactants and depositing a coating on the wafer, wherein the gas includes ammonia and dichlorosilane, wherein depositing a coating on the wafer includes depositing an anti-reflective coating (ARC) having uniform optical properties, wherein the ARC has a k value between 0.3 and 0.5, and the method further includes performing photolithography using the ARC.

Jeng et al. teaches all the limitations in the claims with the exception of controlling the introduction of the gases through a sensor or detector.

Bartholomew et al. teaches a method that comprises adjusting a gas injector in a CVD arrangement by providing at least one gas concentration detector in the CVD arrangement in the form of a sensor that measures the flow characteristics of at least one of the gases in the gas flow path (Col. 4, Il. 48-55), and in response, to the detected characteristic, the gas injector is adjusted, wherein the detector is removed from the CVD arrangement after detecting the concentration of the supplied gas.

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Thus, it would have been obvious to one of ordinary skill in the art to use a CVD arrangement that would control the introduction of the gases according to the concentration or other characteristics of the gases for the disclosed intended purpose of Bartholomew et al. of controlling the reaction as the flow rate of gases affect the extent and uniformity of the deposition reaction.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ginette Peralta whose telephone number is (703)305-7722. The examiner can normally be reached on Monday to Friday 8:00 AM- 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Olik Chaudhuri can be reached on (703)306-2794. The fax phone numbers for the organization where this application or proceeding is assigned are (703)308-7722 for regular communications and (703)308-7724 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-0956.

GP

January 3, 2002

Mchank.